| Index | of Claims |
|-------|-----------|
|       |           |

| Application No. | Applicant(s)   |
|-----------------|----------------|
| 10/775,949      | RUSSELL ET AL. |
| Examiner        | Art Unit       |

| √ | Rejected | _ | (Th |
|---|----------|---|-----|
|   | Allowed  | ÷ |     |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
| ı | Interference |  |

William P Neuder

| Α | Appeal   |
|---|----------|
| 0 | Objected |

3672

|  |   |            |          |  |  |          |  |          |              |  | -  |
|--|---|------------|----------|--|--|----------|--|----------|--------------|--|----|
| Cla  | im                                      | Γ          |          |  |  | Date     | <u> </u>   |          |              | _  |    |
| - °  |   | , Jaie     |          |  |  |          |  |          |              |  |    |
| Final  | ا الله الله الله الله الله الله الله ال | 77         |          |  |  |          |  |          |              |  |    |
|  | 1                                       |            |          | $\dashv$   |  |          |  |          | $\dashv$     |  |    |
|  | 1<br>2<br>3<br>4<br>5<br>6              | ~          | $\dashv$ | $\dashv$   |  |          |  |          |              |  |    |
|  | 3                                       | -          |          |  |  |          |  |          | $\neg$       | _  |    |
|  | 4                                       | 1          | $\neg$   |  |  |          |  |          |              |  |    |
|  | 5                                       | Ш          |          |  |  |          |  |          |              |  |    |
|  | 6                                       | Ш          |          |  |  |          |  |          |              |  |    |
|  | 7                                       | Ш          |          |  |  |          |  |          |              |  |    |
|  | 8                                       |            |          |  |  |          |  |          |              |  |    |
|  | 9                                       | $\prod$    |          |  |  |          |  |          |              |  |    |
|  | 10                                      | Ш          |          |  |  |          |  |          |              |  |    |
|  | 11                                      | Ш          |          |  |  |          |  |          |              |  | ŀ  |
|  | 12                                      | Ш          |          |  |  |          |  |          |              |  |    |
|  | 12<br>13<br>14<br>15<br>16              | Ш          |          |  |  | Щ.       |  |          |              |  |    |
| <u> </u>   | 14                                      | Ш          |          |  |  | Щ        |  |          |              |  | 1  |
|  | 15                                      | H          |          |  |  | $\vdash$ | _  |          |              |  |    |
|  | 16                                      | Ш          |          |  |  |          |  |          |              |  |    |
|  | 17                                      | 1          |          |  |  |          |  | _        |              |  |    |
| <u> </u>   | 18<br>19                                | ļ.         |          |  | _  |          |  | _        |              |  | l  |
| <u> </u>   | 20                                      | #          |          |  | _  |          |  |          |              | _  |    |
| <del>                                     </del> | 21                                      | -          |          |  | -  |          |  |          | _            |  |    |
| <b>-</b>   | 21<br>22                                | Ŀ          | _        |  |  |          |  | _        |              |  |    |
|  | 23                                      | F          | _        |  |  |          |  |          |              |  | ١. |
|  | 24                                      |            |          |  |  |          |  |          | _            | _  | 1  |
|  | 23<br>24<br>25                          |            |          |  |  |          |  | _        | -            |  | 1  |
| ****   | 26                                      |            |          |  |  |          |  |          |              |  |    |
|  | 26<br>27                                |            |          |  |  |          |  |          |              |  |    |
|  | 28                                      |            |          |  |  |          |  |          |              |  |    |
|  | 29<br>30                                |            |          |  |  |          |  |          |              |  |    |
|  | 30                                      |            |          |  |  |          |  |          | <u></u>      |  | 1  |
|  | 31                                      | lacksquare |          |  |  |          | _  |          |              | _  | l  |
|  | 32                                      |            |          |  | L  |          |  |          |              | _  | ١. |
|  | 33                                      |            | _        | L  |  |          | L_   | <u> </u> | _            | <u> </u>   | ľ  |
|  | 34                                      | <u> </u>   | <u> </u> | <u> </u>   | <u> </u>   | $\vdash$ | _  | <u> </u> | <del> </del> | <u> </u>   | l  |
| <u> </u>   | 35                                      | <b>├</b> ─ | <u> </u> | <u> </u>   | _  | ├        | <u> </u>   | ļ        | $\vdash$     | ├  | ł  |
| -  | 36<br>37                                | $\vdash$   | <u> </u> | $\vdash$   | $\vdash$   | ├-       | ├—   | $\vdash$ | -            | $\vdash$   | 1  |
|  | 38                                      | $\vdash$   |          | -  | -  | -        | $\vdash$   | -        |              | $\vdash$   | 1  |
| <del></del>                                      | 39                                      | $\vdash$   | $\vdash$ | <del>                                     </del> | $\vdash$   | $\vdash$ | -  |          |              | $\vdash$   | 1  |
|  | 40                                      | +          | ┢        | ┢  | $\vdash$   | $\vdash$ | <del> </del>                                     | -        | $\vdash$     | -  | 1  |
| -  | 41                                      | +-         | $\vdash$ | $\vdash$   | <del>                                     </del> | $\vdash$ | -  | H        | $\vdash$     | <del>                                     </del> | 1  |
|  | 42                                      | +          |          | $\vdash$   | <del>                                     </del> | $\vdash$ | <del>                                     </del> | $\vdash$ | $\vdash$     | <del>                                     </del> | 1  |
|  | 43                                      | †          | $\vdash$ | Н  | T  | $\vdash$ | $\vdash$   | H        | T            |  | 1  |
| <u> </u>   | 44                                      | 1          | Г        | <u> </u>   |  | Г        | Т  |          | t            | 一  | 1  |
|  | 45                                      | 1          | Η        | T  | Т  | Г        |  |          |              | T  | 1  |
|  | 46                                      |            |          |  |  | L        |  |          |              |  | ]  |
|  | 47                                      |            | Ī.,      |  |  |          |  |          |              | L  |    |
|  | 48                                      |            |          |  |  |          |  |          |              |  |    |
|  | 49                                      |            |          |  |  |          |  |          |              | 匚  | 1  |
|  | 50                                      |            |          |  |  | Γ        |  |          |              |  | l  |

| Cla      | aim      |          |                    |              |  | _<br>Date |          |              | _            | _        |
|----------|----------|----------|--------------------|--------------|--|-----------|----------|--------------|--------------|----------|
| <u> </u> |          |          |                    |              |  |           |          |              |              |          |
| <u></u>  | Original |          |                    |              |  |           |          |              |              |          |
| Final    | ļġ.      |          |                    |              |  |           |          |              |              |          |
| "        | Ō        |          |                    |              |  |           |          |              |              |          |
| -        | E1       | _        | _                  | -            | -                                      |           |          |              |              |          |
|          | 51<br>52 |          |                    | _            | _                                      | _         | $\vdash$ | _            |              | -        |
| -        | 52       | _        | -                  |              | _                                      |           |          |              | Н            |          |
| -        | 53       |          |                    |              |  |           |          | _            | $\dashv$     |          |
|          | 54_      |          | _                  |              |  | Ш         |          |              | -            |          |
|          | 55       |          | <u> </u>           |              |  | _         |          |              |              |          |
|          | 56       |          |                    | _            |  |           |          |              |              |          |
|          | 57       |          |                    |              |  |           |          |              |              |          |
|          | 58       |          |                    |              | Ш                                      |           |          |              |              |          |
|          | 59       |          |                    |              |  |           |          |              |              |          |
|          | 60       |          |                    |              |  |           |          |              |              |          |
|          | 61       |          |                    |              | L                                      |           |          |              |              |          |
|          | 62       |          |                    | L            |  |           |          |              |              |          |
|          | 63       |          | L                  | L            | L                                      |           |          |              |              |          |
|          | 64       |          |                    |              |  |           |          |              |              |          |
|          | 65       |          |                    |              |  |           |          |              |              |          |
|          | 66       |          |                    |              | Γ                                      |           |          |              |              |          |
|          | 67       |          |                    | 1            | Π                                      | Π         |          |              |              |          |
|          | 68       | _        |                    |              |  |           |          |              | -            |          |
|          | 69       |          |                    |              | <u> </u>                               |           |          |              |              |          |
|          | 70       |          |                    |              |  | $\vdash$  | _        | _            |              |          |
| $\vdash$ | 70<br>71 | $\vdash$ | -                  |              |  |           | _        | _            | -            | -        |
| $\vdash$ | 72       | -        |                    | ┢            | <u> </u>                               |           | _        | -            | $\vdash$     | _        |
| ·        | 73       | -        |                    |              | -                                      | ┢         | ┢        |              | $\vdash$     | <u> </u> |
|          | 74       | -        | -                  | ╌            | $\vdash$                               |           | ┝        | _            | ┢            | ┝        |
| - ├      | 75       | ┝        |                    |              | -                                      | -         | -        | _            | -            | $\vdash$ |
| -        | 76       |          |                    | $\vdash$     | $\vdash$                               | -         | -        |              | <del> </del> | ┢        |
|          | 76<br>77 |          | $\vdash$           | ⊢            | ┈                                      | -         | $\vdash$ |              |              | -        |
|          | 70       |          | H                  | -            | ⊢                                      | -         | ┢        |              | -            | ⊢        |
| -        | 78<br>79 | -        | <del> </del>       | -            | $\vdash$                               | -         |          | ⊢            |              |          |
|          | 1/9      | <u> </u> | <del> </del>       | ├            | $\vdash$                               | ⊢         | <u> </u> | ┝            | -            |          |
| -        | 80       | -        | -                  | ⊢            |  |           | -        | <del> </del> | -            | -        |
| ,        | 81       |          | _                  | ├            | ⊢                                      | -         | -        |              | ⊢            |          |
|          | 82       | <u> </u> | -                  | ┝            | $\vdash$                               |           | -        | ┝            |              |          |
|          | 83       | _        | -                  | _            | -                                      | <u> </u>  | <b></b>  | <u> </u>     | ⊢            | <u> </u> |
| <u> </u> | 84       | <u> </u> | <u> </u>           | ├-           | $\vdash$                               | $\vdash$  | ├-       | <u> </u>     | <del> </del> | ⊢-       |
| .        | 85       | <u> </u> | _                  | $\vdash$     | <u> </u>                               | <b> </b>  | <u> </u> |              | <del> </del> | $\vdash$ |
|          | 86<br>87 | <u> </u> | ₩                  | ₩            | ļ -                                    | $\vdash$  | $\vdash$ | -            | $\vdash$     | <u> </u> |
| -        | 8/       | 1-       | <del> </del>       | -            | <del> </del>                           | $\vdash$  | $\vdash$ |              | $\vdash$     | -        |
| _        | 88       | <b>L</b> | <del> </del>       | <b>├</b>     | _                                      | <u> </u>  | <b> </b> | -            | ├            | <u> </u> |
|          | 89       | L.       | ļ                  | ļ            | <u> </u>                               | ┞         | <u> </u> |              | <u> </u>     | <u> </u> |
| <u></u>  | 90       |          | <u> </u>           | _            | <u> </u>                               | ┕         | ╙        |              | _            | L        |
| <u> </u> | 91       | L        | <u> </u>           | <u> </u>     | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | <u> </u>  | _        | _            | <u> </u>     | ┞-       |
|          | 92       | L        | <u> </u>           | _            |  |           | ┖        |              | _            | _        |
|          | 93       | L        | $ldsymbol{f\perp}$ | $oxed{oxed}$ |  | <u> </u>  | <u> </u> | _            | $\perp$      | _        |
|          | 94       | L        | <u> </u>           | <u>L</u>     |  |           | <u> </u> |              | L_           | <u> </u> |
|          | 95       | L        |                    |              |  |           |          |              |              |          |
|          | 96       |          |                    |              |  | $\Box$    |          | 匚            |              |          |
|          | 97       |          |                    |              |  |           |          |              |              |          |
|          | 98       |          |                    |              |  |           |          |              |              |          |
|          | 99       |          |                    |              |  |           |          |              |              |          |
|          | 100      | Γ        | Π                  | Τ            | Т                                      | 1         | 1        | Π            |              |          |
|          | ,        | -        | -                  | -            |  | •         |          |              | _            | _        |

| Cla      | aim               | Date     |                |  |              |          |          |          |          |          |
|----------|-------------------|----------|----------------|--|--------------|----------|----------|----------|----------|----------|
| Final    | Original          |          |                |  |              |          |          |          |          |          |
|          | 101               |          |                |  |              | _        |          |          |          |          |
|          | 102<br>103        |          |                |  |              |          |          |          |          |          |
|          | 103               | Щ        |                | _  |              |          |          |          |          | Щ        |
|          | 104               |          | _              |  |              |          |          |          | _        | $\dashv$ |
|          | 105<br>106        |          |                | _  | _            |          |          |          |          | $\dashv$ |
|          | 107               |          |                | -  | _            | _        |          | _        |          |          |
|          | 108               |          | Г              |  |              |          |          |          |          | $\neg$   |
|          | 109               |          |                |  |              |          |          |          |          |          |
|          | 110               |          |                |  |              |          |          |          |          |          |
|          | 111               |          | <u> </u>       |  |              |          |          |          | _        |          |
|          | 112               | _        | _              | _  |              |          |          |          | <u> </u> |          |
|          | 113<br>114<br>115 |          |                | -  |              | <u> </u> | _        | _        | $\vdash$ |          |
|          | 115               |          | <del>  -</del> | <del>                                     </del> | -            |          | H        |          | -        | $\dashv$ |
|          | 116               |          | $\vdash$       | ╁  | $\vdash$     |          | -        |          |          | H        |
|          | 116<br>117        |          |                | _  |              |          |          |          |          | П        |
|          | 118               |          |                |  |              |          |          |          |          |          |
|          | 119               |          |                |  |              |          |          |          | _        |          |
|          | 120               | L        | _              | <u> </u>   |              |          | <u> </u> | _        | ļ        | Ш        |
|          | 121<br>122        |          | <u> </u>       | <u> </u>   | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | _        | H        |
|          | 123               |          | ├              | <del>  -</del>                                   |              | _        |          |          | H        | $\vdash$ |
| <u> </u> | 124               | ├        | $\vdash$       | <del>                                     </del> | $\vdash$     | -        |          | -        | -        | H        |
| <b></b>  | 124<br>125        | H        |                | <u> </u>   | $\vdash$     |          |          | -        |          | Ħ        |
|          | 126               |          |                |  |              |          |          |          |          |          |
|          | 126<br>127<br>128 |          |                |  |              |          |          |          |          |          |
|          | 128               | ļ        | <u> </u>       | _  |              | <u> </u> | <u> </u> | L_       |          | Ш        |
|          | 129<br>130        | ┝        | <u> </u>       | ┡  | <u> </u>     | <u> </u> | <u> </u> | -        | -        | $\sqcup$ |
|          | 130               | ⊢        | ⊢              | ⊢  | ⊢            | ⊢        | <u> </u> | -        | ⊢        | Н        |
|          | 132               | ┢        | -              | ╁  | -            | ┝        | ├        | ┢        | ├        | Н        |
|          | 132<br>133        | $\vdash$ | $\vdash$       | ┢  |              | _        | ┝        | ╁        | $\vdash$ | Н        |
|          | 134               |          | $\vdash$       |  |              |          |          |          |          | П        |
|          | 135               |          |                |  | <u> </u>     |          |          |          |          |          |
|          | 136               |          | <u> </u>       |  | _            | L        |          | _        | <u> </u> | Ш        |
| <u> </u> | 137               | ┡        | ļ              | ļ  | _            | _        | _        |          | <u> </u> |          |
| <u> </u> | 138<br>139        | ├        |                | ┢  | ⊢            | -        | -        | _        | ⊢        | -        |
|          | 140               | ╁╌       | ┢              | -  | <del> </del> | ┝        | ┢        | -        | $\vdash$ | $\vdash$ |
|          | 141               | $\vdash$ | $\vdash$       | T  | t            | Ι        | $\vdash$ | $\vdash$ | $\vdash$ | Н        |
|          | 142               | T        |                |  | 1            | 1        | ┢        | t        |          | $\Box$   |
|          | 143               |          |                |  |              |          |          |          |          |          |
|          | 144               |          |                | $\Box$   |              |          | Ĺ        |          | $\Box$   |          |
|          | 145               | 1        | L              | 1_   | <u> </u>     | L        | <u> </u> | 1_       | L.       | Ш        |
| <u> </u> | 146               | -        | -              | +-   | $\vdash$     | $\vdash$ | $\vdash$ |          | $\vdash$ | Н        |
|          | 147<br>148        | ╀        | $\vdash$       | +  | $\vdash$     | ├-       | $\vdash$ | +        | ╀        | $\vdash$ |
|          | 149               | +-       | $\vdash$       | +-   | ┢            | ┢        | ╁        | ┢        | $\vdash$ | $\vdash$ |
|          | 150               | t        | 十              | t  | $\vdash$     | $t^{-}$  | $\vdash$ | $\vdash$ | ✝        | Н        |
|          | ,                 | -        | <del>-</del>   |  | <del></del>  |          |          |          | 1        |          |